

Your Ultimate Source for OEM Repair Manuals

FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

2016 NISSAN GT-R (R35) - Facelift OEM Service and Repair Workshop Manual

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1. CHECK CONNECTOR

1. Power switch OFF.
2. Disconnect the 12V battery cable from the negative terminal. Refer to [PRECAUTIONS FOR REMOVING BATTERY TERMINAL : Precautions.](#)
3. Check the following terminals and connectors for damage, bend and loose connection (unit side and connector side).
 - Driver seat control unit
 - Harness connector B468
 - Harness connector B233
 - BCM

Is the inspection result normal?

YES>>

[GO TO 2.](#)

NO>>

Repair the terminal and connector.

2. CHECK HARNESS CONTINUITY (OPEN CIRCUIT)

1. Disconnect the connector of BCM.
2. Check the continuity between the BCM harness connector terminals.

BCM harness connector				Continuity
Connector No.	Terminal No.	Connector No.	Terminal No.	
M9	118	B16	87	Existed
	117		86	Existed

Is the inspection result normal?

YES>>

[GO TO 3.](#)

NO>>

Check the harness and repair the root cause (vehicle CAN communication 2 circuit side). Refer to [Diagnosis Procedure.](#)

3. CHECK HARNESS FOR OPEN CIRCUIT

1. Connect the connector of BCM.
2. Disconnect the connector of driver seat control unit.
3. Check the resistance between the driver seat control unit harness connector terminals.

Driver seat control unit harness connector			Resistance (Ω)
Connector No.	Terminal No.		
B313	20	19	Approx. 54 – 66

Is the measurement value within the specification?

YES>>

[GO TO 4.](#)

NO>>

Repair the driver seat control unit branch line.

4. CHECK POWER SUPPLY AND GROUND CIRCUIT

Check the power supply and the ground circuit of the driver seat control unit. Refer to [Diagnosis Procedure](#).

Is the inspection result normal?

YES>>

Present error: Replace the driver seat control unit. Refer to [Removal and Installation](#).

YES >>

Past error: Error was detected in the driver seat control unit branch line.

NO>>

Repair the power supply and the ground circuit.

Sample

1. CHECK CONNECTOR

1. Power switch OFF.
2. Disconnect the 12V battery cable from the negative terminal. Refer to [PRECAUTIONS FOR REMOVING BATTERY TERMINAL : Precautions.](#)
3. Check the following terminals and connectors for damage, bend and loose connection (unit side and connector side).
 - Active noise control unit
 - BCM

Is the inspection result normal?

YES>>

[GO TO 2.](#)

NO>>

Repair the terminal and connector.

2. CHECK HARNESS CONTINUITY (OPEN CIRCUIT)

1. Disconnect the connector of BCM.
2. Check the continuity between the BCM harness connector terminals.

BCM harness connector				Continuity
Connector No.	Terminal No.	Connector No.	Terminal No.	
M9	118	B16	87	Existed
	117		86	Existed

Is the inspection result normal?

YES>>

[GO TO 3.](#)

NO>>

Check the harness and repair the root cause (vehicle CAN communication 2 circuit side). Refer to [Diagnosis Procedure.](#)

3. CHECK HARNESS FOR OPEN CIRCUIT

1. Connect the connector of BCM.
2. Disconnect the connector of active noise control unit.
3. Check the resistance between the active noise control unit harness connector terminals.

Active noise control unit harness connector			Resistance (Ω)
Connector No.	Terminal No.		
B55	19	31	Approx. 54 – 66

Is the measurement value within the specification?

YES>>

[GO TO 4.](#)

NO>>

Repair the active noise control unit branch line.

4. CHECK POWER SUPPLY AND GROUND CIRCUIT

Check the power supply and the ground circuit of the active noise control unit. Refer to [Diagnosis Procedure](#).

Is the inspection result normal?

YES>>

Present error: Replace the active noise control unit. Refer to [Removal and Installation](#).

YES>>

Past error: Error was detected in the active noise control unit branch line.

NO>>

Repair the power supply and the ground circuit.

Sample

1. CHECK CONNECTOR

1. Power switch OFF.
2. Disconnect the 12V battery cable from the negative terminal. Refer to [PRECAUTIONS FOR REMOVING BATTERY TERMINAL : Precautions.](#)
3. Check the following terminals and connectors for damage, bend and loose connection (connector side and harness side).
 - Data link connector
 - 8CH CAN gateway

Is the inspection result normal?

YES>>

[GO TO 2.](#)

NO>>

Repair the terminal and connector.

2. CHECK HARNESS CONTINUITY (OPEN CIRCUIT)

1. Disconnect the connector of 8CH CAN gateway.
2. Check the continuity between the 8CH CAN gateway harness connector terminals.

8CH CAN gateway harness connector			Continuity
Connector No.	Terminal No.		
M40	3	5	Existed
	2	4	Existed

Is the inspection result normal?

YES>>

[GO TO 3.](#)

NO>>

Check the harness and repair the root cause (diagnosis CAN communication circuit side). Refer to [Diagnosis Procedure.](#)

3. CHECK HARNESS FOR OPEN CIRCUIT

1. Connect the connector of 8CH CAN gateway.
2. Check the resistance between the data link connector terminals.

Data link connector			Resistance (Ω)
Connector No.	Terminal No.		
M36	6	14	Approx. 54 – 66

Is the measurement value within the specification?

YES>>

Present error: Check CAN system type decision again.

YES>>

Past error: Error was detected in the data link connector branch line circuit.

NO>>

Repair the data link connector branch line.

Sample

1. CHECK CONNECTOR

1. Power switch OFF.
2. Disconnect the 12V battery cable from the negative terminal. Refer to [PRECAUTIONS FOR REMOVING BATTERY TERMINAL : Precautions.](#)
3. Check the terminals and connectors of the Intelligent Key unit for damage, bend and loose connection (unit side and connector side).

Is the inspection result normal?

YES>>

[GO TO 2.](#)

NO>>

Repair the terminal and connector.

2. CHECK HARNESS FOR OPEN CIRCUIT

1. Disconnect the connector of Intelligent Key unit.
2. Check the resistance between the Intelligent Key unit harness connector terminals.

Intelligent Key unit harness connector			Resistance (Ω)
Connector No.	Terminal No.		
M79	6	7	Approx. 54 – 66

Is the measurement value within the specification?

YES>>

[GO TO 3.](#)

NO>>

Repair the Intelligent Key unit branch line.

3. CHECK POWER SUPPLY AND GROUND CIRCUIT

Check the power supply and the ground circuit of the Intelligent Key unit. Refer to [Diagnosis Procedure.](#)

Is the inspection result normal?

YES>>

Present error: Replace the Intelligent Key unit. Refer to [Removal and Installation.](#)

YES>>

Past error: Error was detected in the Intelligent Key unit branch line.

NO>>

Repair the power supply and the ground circuit.

1. CHECK CONNECTOR

1. Power switch OFF.
2. Disconnect the 12V battery cable from the negative terminal. Refer to [PRECAUTIONS FOR REMOVING BATTERY TERMINAL : Precautions.](#)
3. Check the following terminals and connectors for damage, bend and loose connection (unit side and connector side).
 - TCU
 - 8CH CAN gateway

Is the inspection result normal?

YES>>

[GO TO 2.](#)

NO>>

Repair the terminal and connector.

2. CHECK HARNESS CONTINUITY (OPEN CIRCUIT)

1. Disconnect the connector of 8CH CAN gateway.
2. Check the continuity between the 8CH CAN gateway harness connector terminals.

8CH CAN gateway harness connector			Continuity
Connector No.	Terminal No.		
M40	19	22	Existed
	20	23	Existed

Is the inspection result normal?

YES>>

[GO TO 3.](#)

NO>>

Check the harness and repair the root cause (IT CAN communication circuit side). Refer to [Diagnosis Procedure.](#)

3. CHECK HARNESS FOR OPEN CIRCUIT

1. Connect the connector of 8CH CAN gateway.
2. Disconnect the connector of TCU.
3. Check the resistance between the TCU harness connector terminals.

TCU harness connector			Resistance (Ω)
Connector No.	Terminal No.		
M145	6	7	Approx. 54 – 66

Is the measurement value within the specification?

YES>>

[GO TO 4.](#)

NO>>

Repair the TCU branch line.

4. CHECK POWER SUPPLY AND GROUND CIRCUIT

Check the power supply and the ground circuit of the TCU. Refer to [Diagnosis Procedure](#).

Is the inspection result normal?

YES>>

Present error: Replace the TCU. Refer to [Removal & Installation](#).

YES>>

Past error: Error was detected in the TCU branch line.

NO>>

Repair the power supply and the ground circuit.

Sample